

Why is it a better door?

THV Composit Door Systems meet or exceed AAMA performance standards in all areas

The American Architectural Manufacturers Association is a collection of scientific, production, and business people whose primary goal is to promote quality, confidence and knowledge throughout the construction industry. It issues standards for a variety of products and materials and performs quality audits of manufacturers to ensure standards are met.

The AAMA has set rigorous standards for product certification in four areas: Dimensional Stability, Impact Resistance, Weatherability and Heat Resistance.

Insulation Superiority

- 214% Better than hollow rigid vinyl
- 62% better than wood

THV Composit Strength

- Will not rot
- Resists mildew and fungus
- Termite resistant
- Surface hardness superior to pine
- Screw holding power is superior to pine
- Carries UL-VO-94 fire rating—The Best!
- Smoke contribution is well below ASTM standards
- Passed salt-water exposure of 1,000 hours

Expansion/contraction rate is well below rigid vinyl:

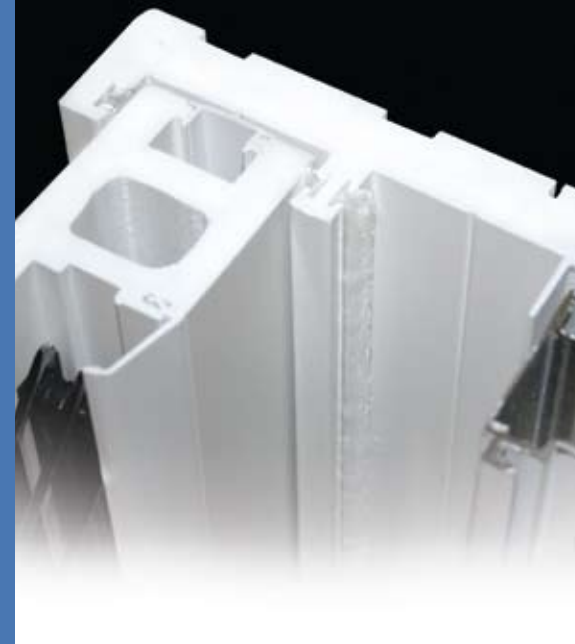
- THV Composit Approximately 0.2%
- Rigid Vinyl Approximately 3.7%

Frame Warranty

Warranted Against: Cracking, Peeling, Flaking, Blistering, Degrading, Fading, Warping and Bowing

Features:

- Space-age THV Composit frame delivers twice the insulating value, keeping your home warmer in winter and cooler in summer.
- Durable 5-3/4" master frame and welded corners deliver years of strength and beauty.
- Triple weather stripping and full depth interlock virtually eliminates draft.
- Dead bolt vent locking system, with key, for security.
- Sound absorbent for peace and quiet.
- Maintenance-free for years of value and enjoyment.



MATERIAL HEAT LOSS PER HOUR



THV Composit limits the transfer of heat and cold and reduces the expansion and contraction cycles that cause instability in windows made with other materials.

Investing in replacement patio doors for your home improves its value, comfort and appearance. Finding the right door is important.

THV Composit Windows & doors has been manufacturing for over 24 years and our experience and knowledge ensures the best products for your home.

THV makes exceptional windows and doors the discerning homeowner can be proud to own. If you insist on quality, we have what you need.

ADD A PATIO DOOR WHERE A WINDOW IS

Our experienced installers have made what seems to be impossible, easy.



EXPERIENCE. QUALITY. KNOWLEDGE.

Beyond the Ordinary Warranty

THV Cares for you and your investment by giving you peace of mind.

We Stand Behind Our Patio Doors with a Strong Warranty.

Durability and dependability are just as important as beauty and performance. This commitment to quality and customer satisfaction is clearly demonstrated by the THV Composit Window Systems 50 Year Non-pro-rated Warranty.

THE THV COMPOSIT WINDOW SYSTEMS 50 YEAR WARRANTY

What good is a warranty if it's full of exemptions, exclusions and pro-rated fees? The makers of THV Composit Doors believe so strongly in the durability of our products that we back the entire door unit with a hassle-free guarantee—including an unprecedented 50 Year non pro-rated seal failure and glass breakage warranty.

It covers everything from the frame, glass, to seals, hardware and screens for as long as you own your home. It's our way of proving to homeowners that as a long-standing and respected leader in this industry, we have absolute confidence in our products. And it's transferable to the next homeowner when you decide to sell — helping you protect your investment by increasing your home's value.



know the security

see the beauty



feel the comfort



Ordinary Vinyl vs Composit



Other rigid vinyl doors need a metal subframe to increase the strength of the frame and help minimize warping. Metal is a great hot and cold conductor making rigid vinyl frames less energy-efficient.

EXPERIENCE STATE-OF-THE-ART Luxury Performance Patio Doors

All the best qualities of a window and a door combined.

Quality

- 50 Year Transferable Warranty
- Designed by experienced craftsmen
- Operational ease
- Maintenance Free, will never rot, warp, crack or need paint

Energy-Efficient

- Alter-Lite® Triple Pane Glass gives ultimate energy-efficiency
- Thermal threshold engineered for strength and air tight fit

Security

- 4 Point Precision Locking System
- 2 Steel locking pistons with one easy motion
- 2 point ventilation lock with key adds security



Features &

B e n e f i t s

THV doors are more than custom-made to size, they're custom-made to style as well. We provide a palette frame and glass options - you provide the inspiration. Mix and match frame colors to complement your interior and exterior décor, and select from a variety of decorative glass options ranging from distinctive to dramatic. After all, they're your doors. How do you see them?

Quality Craftsmanship

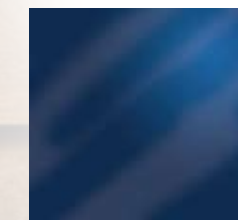


Low profile operator to raise and lower internal shade.

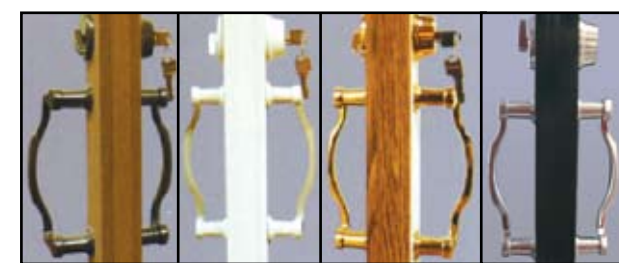


Top quality ball-bearing roller assembly

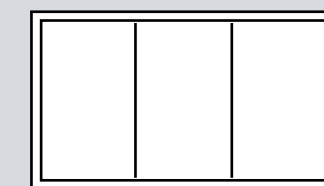
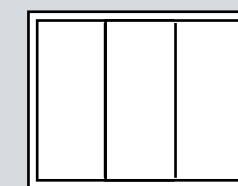
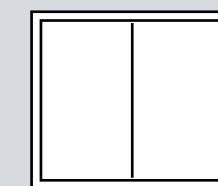
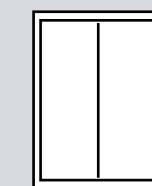
Various Decorative Glass Options



Hardware Options



Styles (Standard)



*Venetians blinds add 1/2" to 6' door width.
** Venetians blinds add 3/4" to 9' door width.



Designed to handle rigorous use, our puncture resistant teflon coated fiberglass screening resists water and the elements keeping bugs out.



Two steel locking bars bolt into steel receivers in the head and sill with one easy motion. A specially designed 5/8" interlock section joins both panels together with a full length metal bar that makes prying virtually impossible.

DIAL IN YOUR GLASS

THV Triple Pane Door Detail

Triple Pane, American-made Float Glass - 1" wide
Used on doors for increased insulation and security.

Trigon gas-filled space between panes.
Adds an additional barrier to weather, noise, condensation and icing.

Two Layers of Low-E Protective Coatings.
Allows sunlight in while blocking out the summers heat and keeping the heat in during the winter.

TB700 Spacers
Unites all the insulating properties together.

Repels harmful UV rays and heat from sunlight

A full 1" width



ALTER-LITE®
TRIPLE PANE GLASS

THV Composit Glass Systems

THV Composit Doors feature the very best in thermal efficiency technology, giving optimal performance. Each system incorporates 3 unique gases making up Alter-Lite® trigon gas (40%** denser than air) to maximize thermal performance. This safe, naturally occurring gas helps to block the transfer of heat better than air while increasing energy-efficiency, adding protection from the sun's damaging rays, and helping to deaden sound.



GLASS EFFICIENCY COMPARISON

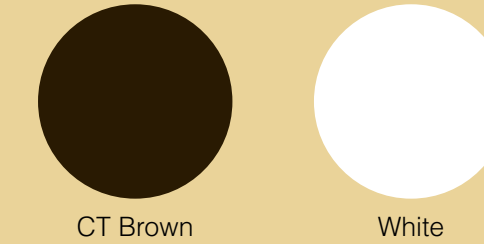
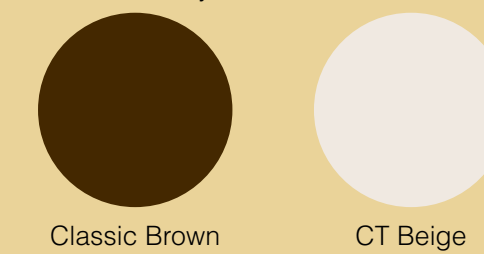
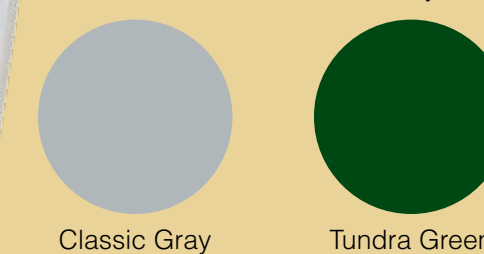
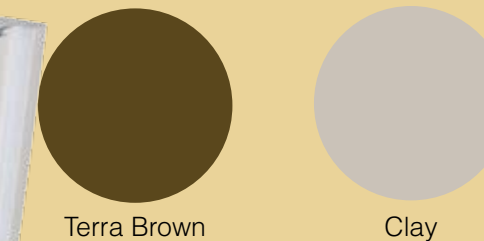
	Ordinary Dual Glazed clear/clear	Ordinary Dual Glazed LowE/clear	THV Dual Glazed LowE/clear Argon	THV Triple Glazed LowE/clear/ LowE Argon	THV Alter-Lite® Triple Glazed* LowE2/clear/ LowE2 Trigon
U Value (lower the number the better)	0.48	0.31	0.26	0.19	0.12
R Value (higher the number the better)	2.08	3.23	3.85	5.26	8.33
Solar Heat Gain Coefficient (total window) SHGC	0.78	0.41	0.30	0.28	0.25

* Almost 4 times the insulation of a clear insulated unit, the THV Alter-Lite® Triple Glass works in the winter by reflecting heat back into the room. In summer, it rejects the sun's heat and damaging UV rays. In fact, all but 5% of the UV rays stay outside while dramatically reducing summer air-conditioning needs. Enjoy all of your house year-round with Alter-Lite® Triple Glass from THV - keeping your home comfortable. Center of glass performance data 5.2 computer simulated.

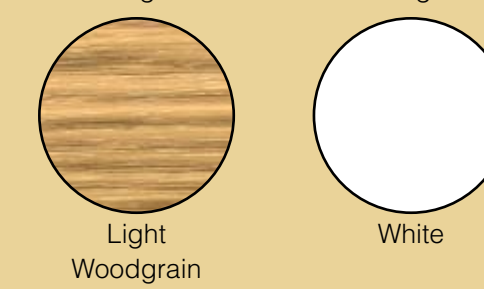
TRU COATINGS

Whatever your finish, the right color can help differentiate your home and create impact. Our paint experts have designed these colors, as well as three wood grains, with the latest industry color trends, industry standards, and market specific needs in mind.

Exterior Finishes



Interior Finishes



Colors may vary slightly due to printing.